

### **WHAT IS CLAIMED IS:**

1. A lubrication system of linear guideway comprising:

an end cap;

a capping plate;

5            wherein the end cap being installed at both end surfaces of a  
sliding block and the capping plate being installed between the sliding  
block and the end cap to form a 3D spatial route for enabling oil to flow  
to a middle portion between upper and lower rolling ball return ways, and  
then oil being averagely distributed to respective rolling ball return ways  
10 to lubricate rolling balls, lubricating part defined on contacting surfaces  
of the end cap and of the capping plate to prevent oil leakage.

2. The lubrication system of linear guideway as claimed in claim  
1, wherein oil can be injected into an oiling hole defined at end surface of  
the end cap.

15            3. The lubrication system of linear guideway as claimed in claim  
1, wherein oil can be injected into an oiling hole defined at side surface  
of the end cap.

4. The lubrication system of linear guideway as claimed in claim  
1, wherein oil can be injected into an oiling hole defined on top surface  
20 of the sliding block.

5. The lubrication system of linear guideway as claimed in claim  
1, wherein the capping plate is provided with stopping piece, so as to  
prevent oil leakage from the contacting surfaces of the end cap and the

sliding block.

6. The lubrication system of linear guideway as claimed in claim 5, wherein the stopping piece is a detachable structure.